

February 18, 1976

MEMO FOR FILING

Re: Higgins Mine
Sec. 32, T. 30 S., R. 18 W.
Washington Mining District
Beaver County, Utah

This inspection was made of February 4th, 1976 by Ron Daniels and myself. The old Higgins mine was abandoned in 1914, but is being reworked for reopening by Mr. Cliff Phillips of St. George, Utah. *and partners*

The mine was an underground lead, silver, and zinc mine. The ores are hydrothermally deposited sulfides of iron, lead, zinc, copper, and silver including pyrite, chalco pyrite, galena, and spalerite. The ore assays up to 40 oz./ton silver, although no silver ores are readily visible. The mineralization occurs in andesitic and rhyolitic flows which have been fissured and intruded by a quartz diorite stock from which the mineralized fluids emanated. The ore occurs in thin veins as hydrothermal and metasomatized deposits in fissures. The main vein in the Higgins Mine is nearly vertical and runs roughly northwest - southeast. IP surveys have extended the traceable length of the vein to several hundred feet. The main fissure, has been reached by a vertical shaft to the south-east of the mine entrance by earlier workers. The applicants proposed to remove muck to gain access to the working face of the mine, drill, blast, and remove the ore for smelting. The operation at present is a two or three man situation, primarily occupied with cleaning out the old tunnel.

Plants present in the immediate vicinity include; big sage, rabbitbrush, pensternam, and pinyon/juniper. The ore body is located on State and public land.

JAMES W. CARTER
GEOLOGIST

JWC/lc









